CONSTRUCTION OF BUILDINGS AND OTHER CIVIL WORKS AND PLAYGROUNDS IN WARD NO - 01,03 & 04 UNDER BUILDINGS/ PLAYGROUNDS / HOSPITALS HEAD IN CHIEF MINISTER NAVA NAGAROTHAN GRANTS OF YELAHANKA DIVISION (PACKAGE- 11)

EMB

Third and Part Bill

Pre-Measurement Sheet

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK : CONSTRUCTION OF BUILDINGS AND OTHER CIVIL WORKS AND PLAYGROUNDS IN WARD NO - 01,03 & 04 UNDER BUILDINGS/ PLAYGROUNDS / HOSPITALS HEAD IN CHIEF MINISTER NAVA NAGAROTHAN GRANTS OF YELAHANKA DIVISION (PACKAGE- 11)

PREMEASUREMENT SHEET

Third & Part Bill

Client	M/s SMLP Asphalts, prop. Sir B.B.Umesh, No: 1265 Next to Andhara Bank, Major Sandeep Unnikrishnan Road, Yelahanka New Town Bangalore-560064

Chainage in m		Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
From	To								
Item No. 10		Providing and removing centering, shuttering, strutting, propping etc. and Removal of form Work for columns, pillars, piers, post and struts, square / rectangular / polygon in plan including cost of all materials, labour complete as per specificaiton and directions of the Engineer in charge.							
Measurements taken on		6/11/20							
		Present Bill Measuement							
		Bangla School							
		Columns							
		C1	Sqm	2	1.8		2.85	10.26	
		C2	Sqm	7	1.8		2.85	35.91	
		C2	Sqm	1	1.8		3.00	5.40	
		C2'	Sqm	2	1.8		3.00	10.80	
		C3	Sqm	4	1.8		3.00	21.60	
		C4	Sqm	4	1.8		3.00	21.60	
		C5	Sqm	2	1.2		3.10	26.04	
							Total Executed Quantity	131.61	
							Qty Carried to Summary	131.61	

Verified
6/11/20
A.E.E

RUDRAPRASAD CONSULTANTS BANGALORE

PMC

ASSISTANT ENGINEER

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP)
Yelahanka, Bangalore

ASSISTANT EXECUTIVE ENGINEER

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK : CONSTRUCTION OF BUILDINGS AND OTHER CIVIL WORKS AND PLAYGROUNDS IN WARD NO - 01,03 & 04 UNDER BUILDINGS/ PLAYGROUNDS / HOSPITALS HEAD IN CHIEF MINISTER NAVA NAGAROTHAN GRANTS OF YELAHANKA DIVISION (PACKAGE- 11)

PREMEASUREMENT SHEET

Third & Part Bill

Client	M/s SMLP Asphalts, prop. Sir B.B.Umesh, No: 1265 Next to Andhara Bank, Major Sandeep Unnikrishnan Road, Yelahanka New Town Bangalore-560064							
Chainage in m	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
From To								
Item No. 11	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for suspended floors, landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour complete as per specificaitons for heights more than 3.50m from ground level. - 0 to 5 mtrs .complete as per specificaiton and directions of the Engineer in charge.							
Measurements taken on	15/02/21 , 23/02/21							
	Quantity Measured in 1st RA Bill	Sqm					255.37	
	Present Bill Measuement							
	Bangla School							
	Slab							
	Along 1-3 b/w A-H	Sqm	1	36.32	9.42		341.94	
	Along A-C b/w 3-5	Sqm	1	12.38	10.38		128.53	
	Along H between 2-3	Sqm	1	3.51	2.25		7.90	
	Deduction							
	Along B'&D between 1-2	Sqm	-1	5.20	3.70		-19.22	
						Total Executed Quantity	714.51	
						Qty Carried to Summary	714.51	

Verified

A.E. 23/02/2021

RUDRAPRASAD CONSULTANTS BANGALORE

CONTRACTOR PMC

ASSISTANT ENGINEER

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP)

ASSISTANT EXECUTIVE ENGINEER
Yelahanka, Bangalore

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK : CONSTRUCTION OF BUILDINGS AND OTHER CIVIL WORKS AND PLAYGROUNDS IN WARD NO - 01,03 & 04 UNDER BUILDINGS/ PLAYGROUNDS / HOSPITALS HEAD IN CHIEF MINISTER NAVA NAGAROTHAN GRANTS OF YELAHANKA DIVISION (PACKAGE- 11)

PREMEASUREMENT SHEET

Third & Part Bill

Client	M/s SMLP Asphalts, prop. Sir B.B.Umesh, No: 1265 Next to Andhara Bank, Major Sandeep Unnikrishnan Road, Yelahanka New Town Bangalore-560064

Chainage in m		Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
From	To								
Item No. 13		Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specificaitons and directions of the Engineer in charge.							
Measurements taken on		15/02/21, 23/02/21							
		Quantity Measured in 1st RA Bill	Sqm					72.33	
		Present Bill Measuement							
		Bangla School							
		Ground Floor Beam							
		B1(300X750)	Sqm	2	8.43		0.60	10.12	
		B2(300X600)	Sqm	2	24.19		0.45	21.77	
		B3(300X450)	Sqm	2	4.30		0.30	2.58	
		B4(300X600)	Sqm	2	39.83		0.45	35.85	
		B5(300X600)	Sqm	2	39.83		0.45	35.85	
		B6(300X750)	Sqm	2	10.38		0.60	12.46	
		B7(300X600)	Sqm	2	10.38		0.45	9.34	
		B8(300X600)	Sqm	2	19.30		0.45	17.37	
		B9(300X600)	Sqm	2	19.30		0.45	17.37	
		B10(300X600)	Sqm	2	11.78		0.45	10.60	
		B11(300X600)	Sqm	2	7.52		0.45	6.76	
		B12(300X600)	Sqm	6	7.52		0.45	20.29	
		B13(300X600)	Sqm	2	7.52		0.45	6.76	
		Lintels							
		Through Lintel							
		Along long direction	Sqm	2	32.62		0.15	9.79	
			Sqm	1	22.69		0.15	6.81	
		Along short direction	Sqm	2	19.23		0.15	5.77	
			Sqm	2	11.13		0.15	3.34	
							Total Executed Quantity	305.14	
							Qty Carried to Summary	305.14	

Verified

25/02/2021

A.E.E

CONTRACTOR

PMC

ASSISTANT ENGINEER

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Yak. Zn)
ASSISTANT EXECUTIVE ENGINEER
Yelahanka, Bangalore

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK : CONSTRUCTION OF BUILDINGS AND OTHER CIVIL WORKS AND PLAYGROUNDS IN WARD NO - 01,03 & 04 UNDER BUILDINGS/ PLAYGROUNDS / HOSPITALS HEAD IN CHIEF MINISTER NAVA NAGAROTHAN GRANTS OF YELAHANKA DIVISION (PACKAGE- 11)

PREMEASUREMENT SHEET

Third & Part Bill

Client	M/s SMLP Asphalts, prop. Sir B.B.Umesh, No: 1265 Next to Andhara Bank, Major Sandeep Unnikrishnan Road, Yelahanka New Town Bangalore-560064

Chainage in m		Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
From	To								
Item No.35		Providing and laying M-15 cement concrete flooring, 50 mm thick with metallic concrete hardner topping , under layer of 35mm thick m-15 cement concrete using broken granite metal of 20mm and down size, and top layer 50mm thick of metallic cement hardner consisting of mix 1:2 (1 cement hardner mix : 2 granite metal 10mm nominal size) by volume, with which metallic hardening compound of approved quality mix in the ratio of 4:1 (4 part of cement and 1 part of metallic floor hardening compound of approved quality by wt) , including finishing cost of materials, labour, curing, complete as per specifications and directions of the Engineer in charge.(Ground Floor)							
Measurements taken on		30/11/20, 1/12/20							
		Present Bill Measuement							
		Telugu School							
		Ground Floor							
		Coridor	Sqm	1	28.8	1.6		46.08	
			Sqm	1	1.9	2.6		4.94	
		Ground Floor							
		Class Room	Sqm	1	4.1	6.83		28.00	
		Class Room	Sqm	1	4.16	6.83		28.41	
		Class Room	Sqm	1	4.15	6.83		28.34	
		Class Room	Sqm	1	3.95	6.83		26.98	
		Class Room	Sqm	1	4.23	6.83		28.89	
			Sqm	1	4	6.83		27.32	
							Total Executed Quantity	218.97	
							Qty Carried to Summary	218.97	

Verified Payable 1/12/20

A.E.E

RUDRAPRASAD CONSULTANTS BANGALORE

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)

CONTRACTOR PMC ASSISTANT ENGINEER ASSISTANT EXECUTIVE ENGINEER

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK : CONSTRUCTION OF BUILDINGS AND OTHER CIVIL WORKS AND PLAYGROUNDS IN WARD NO - 01,03 & 04 UNDER BUILDINGS/ PLAYGROUNDS / HOSPITALS HEAD IN CHIEF MINISTER NAVA NAGAROTHAN GRANTS OF YELAHANKA DIVISION (PACKAGE- 11)

PREMEASUREMENT SHEET

Third & Part Bill

Client	M/s SMLP Asphalts, prop. Sir B.B.Umesh, No: 1265 Next to Andhara Bank, Major Sandeep Unnikrishnan Road, Yelahanka New Town Bangalore-560064

Chainage in m From	To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
Item No. 62		Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 Pg No.18 Item No.4.46.2							
Measurements taken on		5/11/21, 27/02/21, 16/03/21							
		Quantity Measured in 1st RA Bill	tonne					41.23	
		Quantity Measured in 2nd RA Bill	tonne					0.63	
		Present Bill Measurements							
		Bangla School							
		Columns	tonne		From Steel calculation sheet			3.68	
		Ground Floor Roof Beam	tonne		From Steel calculation sheet			11.13	
		Ground Floor Roof Slab	tonne		From Steel calculation sheet			12.71	
		Ground Floor Staircase	tonne		From Steel calculation sheet			0.45	
		Ground Floor Lintel	tonne		From Steel calculation sheet			0.33	
		Ground Floor Chajja	tonne		From Steel calculation sheet			0.20	
							Total Executed Quantity	70.37	
							Qty Carried to Summary	70.37	

Verified
A.E.E 16/03/2021

RUDRAPRASAD CONSULTANTS BANGALORE

CONTRACTOR PMC ASSISTANT ENGINEER

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
ASSISTANT EXECUTIVE ENGINEER

Project name	**CONSTRUCTION OF BUILDINGS AND OTHER CIVIL WORKS AND PLAYGROUNDS IN WARD NO - 01,03 & 04 UNDER BUILDINGS/ PLAYGROUNDS / HOSPITALS HEAD IN CHIEF MINISTER NAVA NAGAROTHAN GRANTS OF YELAHANKA DIVISION (PACKAGE- 11)**
Client	**M/s SMLP Asphalts, prop. Sir B.B.Umesh, No: 1265 Next to Andhara Bank, Major Sandeep Unnikrishnan Road, Yelahanka New Town Bangalore-560064**
Description	**Steel calculation sheet**

PREMEASUREMENT SHEET

THIRD AND PART BILL

	Description	Nos	BAR DIA	No. Bars	Total No. bars	L	Crank length (42d)	Actual Length	Total Length	Weight	Total weight
Chainage			mm			m	m	m	m	kg/m	Kg's
From To											
Item No. 62	Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 Pg No.18 Item No.4.46.2										
Measurements taken on	5/11/20 , 27/08/21 , 16/02/21										
	Present Bill Measuement										
	Bangla School										
	Columns										
	Columns upto Ground floor Roof beam bottom										
	C1	2	25	14	28	3.60	0.00	3.60	100.80	3.85	388.42
	Rectangle Rings @ 250 c/c	2	8	16	32	1.50	0.00	1.50	48.00	0.39	18.94
	Rectangle Rings @ 250 c/c	2	8	16	32	1.50	0.00	1.50	48.00	0.39	18.94
	C2	8	25	12	96	3.60	0.00	3.60	345.60	3.85	1331.72
	Rectangle Rings @ 250 c/c	8	8	16	128	1.20	0.00	1.20	153.60	0.39	60.61
	Rectangle Rings @ 250 c/c	8	8	16	128	1.20	0.00	1.20	153.60	0.39	60.61
	C2'	2	25	12	24	3.60	0.00	3.60	86.40	3.85	332.93
	Rectangle Rings @ 250 c/c	2	8	16	32	1.20	0.00	1.20	38.40	0.39	15.15
	Rectangle Rings @ 250 c/c	2	8	16	32	1.20	0.00	1.20	38.40	0.39	15.15
	C3	4	25	10	40	3.60	0.00	3.60	144.00	3.85	554.88
	Rectangle Rings @ 250 c/c	4	8	16	64	1.50	0.00	1.50	96.00	0.39	37.88
	Rectangle Rings @ 250 c/c	4	8	16	64	1.50	0.00	1.50	96.00	0.39	37.88
	C4	4	25	8	32	3.60	0.00	3.60	115.20	3.85	443.91
	Rectangle Rings @ 250 c/c	4	8	16	64	1.20	0.00	1.20	76.80	0.39	30.30

Verified

RUDRAPRASAD CONSULTANTS BANGALORE

16/02/2021

A.E.E

ASSISTANT ENGINEER

Asst. Executive Engineer
Yelahanka Sub Division
(ASSISTANT EXECUTIVE ENGINEER)
Yelahanka, Bangalore

CONTRACTOR PMC

Project name	CONSTRUCTION OF BUILDINGS AND OTHER CIVIL WORKS AND PLAYGROUNDS IN WARD NO - 01,03 & 04 UNDER BUILDINGS/ PLAYGROUNDS / HOSPITALS HEAD IN CHIEF MINISTER NAVA NAGAROTHAN GRANTS OF YELAHANKA DIVISION (PACKAGE- 11)
Client	M/s SMLP Asphalts, prop. Sir B.B.Umesh, No: 1265 Next to Andhara Bank, Major Sandeep Unnikrishnan Road, Yelahanka New Town Bangalore-560064
Description	Steel calculation sheet

PREMEASUREMENT SHEET

THIRD AND PART BILL

Chainage From	Chainage To	Description	Nos	BAR DIA	No. Bars	Total No. bars	L	Crank length (42d)	Actual Length	Total Length	Weight	Total weight
				mm			m	m	m	m	kg/m	Kg's
		2LGD 10# stirrups @ 200C/C AT D-E		10	13	13	1.80	0.00	1.80	22.86	0.62	14.09
		2LGD 10# stirrups @ 100C/C AT D-E		10	19	19	1.80	0.00	1.80	34.20	0.62	21.09
		2LGD 10# stirrups @ 120C/C AT E-F		10	16	16	1.80	0.00	1.80	28.80	0.62	17.76
		2LGD 10# stirrups @ 240C/C AT E-F		10	21	21	1.80	0.00	1.80	37.80	0.62	23.31
		2LGD 10# stirrups @ 120C/C AT E-F		10	16	16	1.80	0.00	1.80	28.80	0.62	17.76
		2LGD 10# stirrups @ 120C/C AT F-G		10	16	16	1.80	0.00	1.80	28.80	0.62	17.76
		2LGD 10# stirrups @ 240C/C AT F-G		10	25	25	1.80	0.00	1.80	44.10	0.62	27.19
		2LGD 10# stirrups @ 120C/C AT F-G		10	16	16	1.80	0.00	1.80	28.80	0.62	17.76
		2LGD 10# stirrups @ 100C/C AT G-H		10	19	19	1.80	0.00	1.80	34.20	0.62	21.09
		2LGD 10# stirrups @ 200C/C AT G-H		10	13	13	1.80	0.00	1.80	22.95	0.62	14.15
		2LGD 10# stirrups @ 100C/C AT G-H		10	19	19	1.80	0.00	1.80	34.20	0.62	21.09
		B3(300X450)	1									
		Between B'&D										
		top bars		16	2	2	5.20	0.00	5.20	10.39	1.58	16.41
		bottom bars		25	2	2	4.30	0.00	4.30	8.59	3.85	33.12
		2LGD 8# stirrups @ 250C/C at A-C		8	22	22	1.50	0.00	1.50	32.68	0.39	12.90
		B4(300X600)	1									
		Along grid 2 between A&H										
		top bars		25	4	4	40.43	0.00	40.43	161.72	3.85	623.15
		top extra bars b/w A-D		25	4	4	8.61	0.00	8.61	34.45	3.85	132.74
		top extra bars b/w D-F		25	3	3	3.60	0.00	3.60	10.80	3.85	41.62
		top extra bars b/w E-G		25	3	3	3.60	0.00	3.60	10.80	3.85	41.62
		top extra bars b/w F-H		25	3	3	3.60	0.00	3.60	10.80	3.85	41.62

RUDRAPRASAD CONSULTANTS BANGALORE

Verified

A.E.E

ASSISTANT ENGINEER

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP) Yelahanka, Bangalore.

ASSISTANT EXECUTIVE ENGINEER

CONTRACTOR

Project name	CONSTRUCTION OF BUILDINGS AND OTHER CIVIL WORKS AND PLAYGROUNDS IN WARD NO - 01,03 & 04 UNDER BUILDINGS/ PLAYGROUNDS / HOSPITALS HEAD IN CHIEF MINISTER NAVA NAGAROTHAN GRANTS OF YELAHANKA DIVISION (PACKAGE- 11)
Client	M/s SMLP Asphalts, prop. Sir B.B.Umesh, No: 1265 Next to Andhara Bank, Major Sandeep Unnikrishnan Road, Yelahanka New Town Bangalore-560064
Description	Steel calculation sheet

PREMEASUREMENT SHEET

THIRD AND PART BILL

Chainage From	Chainage To	Description	Nos	BAR DIA	No. Bars	Total No. bars	L	Crank length (42d)	Actual Length	Total Length	Weight	Total weight
				mm			m	m	m	m	kg/m	Kg's
		top extra bars at H		25	4	4	7.16	0.00	7.16	28.64	3.85	110.36
		bottom bars		25	5	5	9.78	0.00	9.78	48.91	3.85	188.47
		bottom bars		25	5	5	31.70	0.00	31.70	158.49	3.85	610.70
		bottom extra bars b/w A&B'		25	5	5	5.73	0.00	5.73	28.66	3.85	110.44
		2LGD 10# stirrups @ 100C/C at A-B'		10	26	26	1.80	0.00	1.80	45.90	0.62	28.30
		2LGD 10# stirrups @ 100C/C at A-B'		10	33	33	1.80	0.00	1.80	59.98	0.62	36.98
		2LGD 10# stirrups @ 100C/C at A-B'		10	26	26	1.80	0.00	1.80	45.90	0.62	28.30
		2LGD 10# stirrups @ 150C/C at B'-D		10	28	28	1.80	0.00	1.80	49.76	0.62	30.68
		2LGD 10# stirrups @ 150C/C at D-E		10	41	41	1.80	0.00	1.80	73.08	0.62	45.06
		2LGD 10# stirrups @ 150C/C at E-F		10	41	41	1.80	0.00	1.80	73.80	0.62	45.50
		2LGD 10# stirrups @ 150C/C at F-G		10	41	41	1.80	0.00	1.80	73.80	0.62	45.50
		2LGD 10# stirrups @ 150C/C at G-H		10	13	13	1.80	0.00	1.80	23.40	0.62	14.43
		2LGD 10# stirrups @ 150C/C at G-H		10	17	17	1.80	0.00	1.80	30.00	0.62	18.50
		2LGD 10# stirrups @ 150C/C at G-H		10	13	13	1.80	0.00	1.80	23.40	0.62	14.43
		2LGD 10# stirrups @ 150C/C near H		10	25	25	1.80	0.00	1.80	45.72	0.62	28.19
		B5(300X600)	1									
		Along grid 3 between A&H					13.03	0.00	13.03	52.12	3.85	200.82
		top bars		25	4	4	27.70	0.00	27.70	83.10	3.85	320.21
		top bars		25	3	3						

Verified

RUDRAPRASAD CONSULTANTS BANGALORE

16/2

A.E.E

ASSISTANT ENGINEER

Asst. Executive Engineer
Yelahanka Sub Division
ASSISTANT EXECUTIVE ENGINEER
Yelahanka, Bangalore

CONTRACTOR

Project name	CONSTRUCTION OF BUILDINGS AND OTHER CIVIL WORKS AND PLAYGROUNDS IN WARD NO - 01,03 & 04 UNDER BUILDINGS/ PLAYGROUNDS / HOSPITALS HEAD IN CHIEF MINISTER NAVA NAGAROTHAN GRANTS OF YELAHANKA DIVISION (PACKAGE- 11)
Client	M/s SMLP Asphalts, prop. Sir B.B.Umesh, No: 1265 Next to Andhara Bank, Major Sandeep Unnikrishnan Road, Yelahanka New Town Bangalore-560064
Description	Steel calculation sheet

PREMEASUREMENT SHEET

THIRD AND PART BILL

Chainage From	Chainage To	Description	Nos	BAR DIA	No. Bars	Total No. bars	L	Crank length (42d)	Actual Length	Total Length	Weight	Total weight
				mm			m	m	m	m	kg/m	Kg's
		top extra bars at 3-3		25	4	4	6.05	0.00	6.05	24.20	3.85	93.25
		bottom bars		25	4	4	20.35	0.00	20.35	81.38	3.85	313.59
		bottom bars		25	4	4	1.60	0.00	1.60	6.40	3.85	24.66
		bottom extra bars b/w 5&4		25	3	3	4.29	0.00	4.29	12.87	3.85	49.59
		2LGD 8# stirrups @ 110C/C b/w 5-4		8	18	18	1.80	0.00	1.80	32.89	0.39	12.98
		2LGD 8# stirrups @ 110C/C b/w 5-4		8	23	23	1.80	0.00	1.80	40.91	0.39	16.14
		2LGD 8# stirrups @ 110C/C b/w 5-4		8	18	18	1.80	0.00	1.80	32.89	0.39	12.98
		2LGD 8# stirrups @ 150C/C b/w 4-3		8	42	42	1.80	0.00	1.80	76.08	0.39	30.02
		2LGD 8# stirrups @ 150C/C b/w 3-2		8	15	15	1.80	0.00	1.80	27.00	0.39	10.65
		2LGD 8# stirrups @ 110C/C b/w 2-1		8	54	54	1.80	0.00	1.80	97.77	0.39	38.58
		2LGD 8# stirrups @ 110C/C near 1		8	13	13	0.90	0.00	0.90	11.54	0.39	4.55
		B10(300X600)	1									
		Along grid C-C between 3-5										
		top bars		20	2	2	13.88	0.00	13.88	27.77	2.47	68.48
		top extra bars at 4-4		25	3	3	3.80	0.00	3.80	11.40	3.85	43.93
		bottom bars		25	2	2	12.68	0.00	12.68	25.37	3.85	97.74
		2LGD 8# stirrups @ 300C/C at 5-4		8	22	22	1.80	0.00	1.80	39.84	0.39	15.72
		2LGD8# stirrups @300C/C near 4		8	22	22	1.80	0.00	1.80	39.86	0.39	15.73
		B11(300X600)	1									
		Along grid D-D between 1-13										
		top bars		25	4	4	10.02	0.00	10.02	40.06	3.85	154.37
		top extra bars at 3-2		20	3	3	4.15	0.00	4.15	12.45	2.47	30.70

Verified

RUDRA PRASAD CONSULTANTS BANGALORE

A.E.E

ASSISTANT ENGINEER

Asst. Executive Engineer
Yelahanka Sub-Division
(BBMP Kok-Zo)
ASSISTANT EXECUTIVE ENGINEER
Yelahanka, Bangalore

Project name	CONSTRUCTION OF BUILDINGS AND OTHER CIVIL WORKS AND PLAYGROUNDS IN WARD NO - 01,03 & 04 UNDER BUILDINGS/ PLAYGROUNDS / HOSPITALS HEAD IN CHIEF MINISTER NAVA NAGAROTHAN GRANTS OF YELAHANKA DIVISION (PACKAGE- 11)
Client	M/s SMLP Asphalts, prop. Sir B.B.Umesh, No: 1265 Next to Andhara Bank, Major Sandeep Unnikrishnan Road, Yelahanka New Town Bangalore-560064
Description	Steel calculation sheet

PREMEASUREMENT SHEET

THIRD AND PART BILL

Chainage From	Chainage To	Description	Nos	BAR DIA	No. Bars	Total No. bars	L	Crank length (42d)	Actual Length	Total Length	Weight	Total weight
				mm			m	m	m	m	kg/m	Kg's
		bottom bars		25	4	4	8.12	0.00	8.12	32.46	3.85	125.08
		bottom extra bars b/w 2&1		25	4	4	4.07	0.00	4.07	16.26	3.85	62.66
		2LGD 10# stirrups @ 120C/C at 3-2		10	19	19	1.80	0.00	1.80	33.30	0.62	20.53
		2LGD 10# stirrups @ 120C/C at 2-1		10	50	50	1.80	0.00	1.80	89.78	0.62	55.25
		2LGD 10# stirrups @ 120 C/C near 1-1		10	12	12	1.80	0.00	1.80	21.30	0.62	13.13
		B12(300X600)	3									
		Along grid E-E, F-F&G-G b/w 1 & 3										
		top bars		25	4	12	10.02	0.00	10.02	120.18	3.85	463.10
		top extra bars at 3-2		25	3	9	4.05	0.00	4.05	36.45	3.85	140.45
		bottom bars		25	4	12	8.12	0.00	8.12	97.38	3.85	375.24
		bottom bars		16	4	12	1.60	0.00	1.60	19.20	1.58	30.30
		bottom extra bars b/w 2-1		25	4	12	4.07	0.00	4.07	48.78	3.85	187.97
		2LGD 10# stirrups @ 300C/C at 3-2		10	15	45	1.80	0.00	1.80	81.00	0.62	49.91
		2LGD 10# stirrups @ 100C/C at 2-1		10	19	57	1.80	0.00	1.80	102.60	0.62	63.26
		2LGD 10# stirrups @ 200C/C at 2-1		10	56	168	1.80	0.00	1.80	302.67	0.62	186.61
		2LGD 10# stirrups @ 100C/C at 2-1		10	19	57	1.80	0.00	1.80	102.60	0.62	63.26
		2LGD 10# stirrups @ 120C/C near 1-1		10	16	48	0.90	0.00	0.90	43.20	0.62	26.63

Verified

RUDRAPRASAD CONSULTANTS BANGALORE

A.E.E

ASSISTANT ENGINEER

Asst. Executive Engineer
Yelahanka Sub. Divison
ASSISTANT EXECUTIVE ENGINEER
Yelahanka, Bangalore

CONTRACTOR PMC

Project name	CONSTRUCTION OF BUILDINGS AND OTHER CIVIL WORKS AND PLAYGROUNDS IN WARD NO - 01,03 & 04 UNDER BUILDINGS/ PLAYGROUNDS / HOSPITALS HEAD IN CHIEF MINISTER NAVA NAGAROTHAN GRANTS OF YELAHANKA DIVISION (PACKAGE- 11)
Client	M/s SMLP Asphalts, prop. Sir B.B.Umesh, No: 1265 Next to Andhara Bank, Major Sandeep Unnikrishnan Road, Yelahanka New Town Bangalore-560064
Description	Steel calculation sheet

PREMEASUREMENT SHEET

THIRD AND PART BILL

Chainage From	Chainage To	Description	Nos	BAR DIA	No. Bars	Total No. bars	L	Crank length (42d)	Actual Length	Total Length	Weight	Total weight
				mm			m	m	m	m	kg/m	Kg's
		16# @ 100 C/C EXTRA at top	1	16	85	85	3.80	0.00	3.80	324.22	1.58	511.72
		16# @ 100 C/C EXTRA at top	1	16	85	85	5.80	0.00	5.80	494.86	1.58	781.05
		16# @ 100 C/C EXTRA at top	1	16	85	85	3.05	0.00	3.05	260.23	1.58	410.72
		SLAB between grid B'-C and 3-5										
		12# @120 c/c main bars alt	1	12	107	107	1.95	0.00	1.95	208.00	0.89	184.67
		12# @120 c/c crank bars alt	1	12	107	107	0.65	2.02	2.67	284.37	0.89	252.47
		10# @250 c/c Distribution bars	1	10	9	9	12.68	1.68	14.36	126.37	0.62	77.91
		SLAB between grid 2-3 and B'-H										
		12# @120 c/c main bars alt	1	12	102	102	2.40	0.00	2.40	244.30	0.89	216.89
		12# @120 c/c crank bars alt	1	12	102	102	0.65	2.02	2.67	271.38	0.89	240.93
		10 # @250 c/c Distribution bars	1	10	11	11	24.19	0.00	24.19	256.41	0.62	158.09
		SLAB between grid 1-2 and D-H										
		12# @120 c/c main bars alt	1	12	32	32	24.19	0.00	24.19	776.60	0.89	689.48
		12# @120 c/c crank bars alt	1	12	34	34	24.19	2.02	26.21	895.92	0.89	795.41
		12# @120 c/c main bars alt	1	12	203	203	7.47	0.00	7.47	1512.28	0.89	1342.63
		12# @120 c/c crank bars alt	1	12	203	203	7.97	2.02	9.98	2021.98	0.89	1795.15
		16# @ 240 C/C EXTRA at top	1	16	32	32	3.60	0.00	3.60	115.58	1.58	182.42
		16# @ 240 C/C EXTRA at top	1	16	32	32	3.60	0.00	3.60	115.58	1.58	182.42
		16# @ 240 C/C EXTRA at top	1	16	32	32	3.60	0.00	3.60	115.58	1.58	182.42
		16# @ 100 C/C EXTRA at top	1	16	243	243	3.05	0.00	3.05	740.85	1.58	1169.30
		SLAB between grid 2- 3and near H										
		12# @120 c/c main bars alt	1	12	16	16	2.30	0.00	2.30	35.94	0.89	31.91

Verified

RUDRAPRASAD CONSULTANTS BANGALORE

A.E.E 16/2

ASSISTANT ENGINEER

Asst. Executive Engineer
Yelahanka Sub Divison
(BBMP)
Yelahanka, Bangalore

ASSISTANT EXECUTIVE ENGINEER

ct	CONSTRUCTION OF BUILDINGS AND OTHER CIVIL WORKS AND PLAYGROUNDS IN WARD NO - 01,03 & 04 UNDER BUILDINGS/ PLAYGROUNDS / HOSPITALS HEAD IN CHIEF MINISTER NAVA NAGAROTHAN GRANTS OF YELAHANKA DIVISION (PACKAGE- 11)
ent	M/s SMLP Asphalts, prop. Sir B.B.Umesh, No: 1265 Next to Andhara Bank, Major Sandeep Unnikrishnan Road, Yelahanka New Town Bangalore-560064
ption	Steel calculation sheet

PREMEASUREMENT SHEET

THIRD AND PART BILL

ainage n To	Description	Nos	BAR DIA	No. Bars	Total No. bars	L	Crank length (42d)	Actual Length	Total Length	Weight	Total weight
			mm			m	m	m	m	kg/m	Kg's
	12# @120 c/c crank bars alt	1	12	16	16	2.30	2.02	4.32	67.44	0.89	59.87
	10# @250 c/c distribution bars	1	10	10	10	3.51	0.00	3.51	35.80	0.62	22.07
	SLAB between grid B'-D and 2										
	12# @120 c/c main bars alt	1	12	19	19	1.97	0.00	1.97	37.15	0.89	32.98
	12# @120 c/c crank bars alt	1	12	19	19	1.97	2.02	3.98	75.26	0.89	66.81
	10# @250 c/c distribution bars	1	10	9	9	4.30	0.00	4.30	38.07	0.62	23.47
									Sub Total		12707.96
	Ground Floor Staircase										
	1st flight	1									
	12# @100c/c main		12	19	19	7.57	0.00	7.57	143.83	0.89	127.69
	10# @250c/c dis		10	31	31	1.80	0.00	1.80	56.30	0.62	34.71
	2nd flight	1									
	12# @100c/c main		12	19	19	7.60	0.00	7.60	144.40	0.89	128.20
	10# @250c/c dis		10	31	31	1.80	0.00	1.80	56.52	0.62	34.85
	SB(200X450)	1									
	top bars		25	2	2	5.20	0.00	5.20	10.39	3.85	40.04
	bottom bars		25	4	4	4.00	0.00	4.00	15.98	3.85	61.59
	2LGD 8# stirrups @110C/C		8	37	37	1.60	0.00	1.60	59.72	0.39	23.57
									Sub Total		450.66
	Ground Floor Lintel										
	Along long direction										
	Top Bars	1	8	2	2	33.02	0.00	33.02	66.04	0.39	26.06
	Bottom Bars	1	10	2	2	32.62	0.00	32.62	65.24	0.62	40.23
	2LGD 8# stirrups @150C/C	1	8	218	218	0.70	0.00	0.70	152.94	0.39	60.35
	Top Bars	1	8	2	2	23.09	0.00	23.09	46.18	0.39	18.22
	Bottom Bars	1	10	2	2	22.69	0.00	22.69	45.38	0.62	27.98
	2LGD 8# stirrups @150C/C	1	8	152	152	0.70	0.00	0.70	106.59	0.39	42.06
	Along short direction										
	Top Bars	1	8	2	2	19.63	0.00	19.63	39.27	0.39	15.49
	Bottom Bars	1	10	2	2	19.23	0.00	19.23	38.47	0.62	23.72

Verified

RUDRAPRASAD CONSULTANTS BANGALORE

A.E.E 16/2

ASSISTANT ENGINEER

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP)
Yelahanka, Bangalore

ASSISTANT EXECUTIVE ENGINEER

ect e	CONSTRUCTION OF BUILDINGS AND OTHER CIVIL WORKS AND PLAYGROUNDS IN WARD NO - 01,03 & 04 UNDER BUILDINGS/ PLAYGROUNDS / HOSPITALS HEAD IN CHIEF MINISTER NAVA NAGAROTHAN GRANTS OF YELAHANKA DIVISION (PACKAGE- 11)
lient	M/s SMLP Asphalts, prop. Sir B.B.Umesh, No: 1265 Next to Andhara Bank, Major Sandeep Unnikrishnan Road, Yelahanka New Town Bangalore-560064
iption	Steel calculation sheet

PREMEASUREMENT SHEET

THIRD AND PART BILL

ainage m To	Description	Nos	BAR DIA	No. Bars	Total No. bars	L	Crank length (42d)	Actual Length	Total Length	Weight	Total weight
			mm			m	m	m	m	kg/m	Kg's
	2LGD 8# stirrups @150C/C	1	8	129	129	0.70	0.00	0.70	90.46	0.39	35.69
	Top Bars	1	8	2	2	11.53	0.00	11.53	23.05	0.39	9.10
	Bottom Bars	1	10	2	2	11.13	0.00	11.13	22.25	0.62	13.72
	2LGD 8# stirrups @150C/C	1	8	75	75	0.70	0.00	0.70	52.62	0.39	20.76
									Sub Total		333.37
	Ground Floor Chajja										
		1									
	Main bars 8# @130 c/c at top		8	39	39	0.95	0.00	0.95	36.76	0.39	14.50
	Distribution bars 8# @250 c/c		8	5	5	4.90	0.00	4.90	23.52	0.39	9.28
		3									
	Main bars 8# @130 c/c at top		8	38	114	0.95	0.00	0.95	108.08	0.39	42.65
	Distribution bars 8# @250 c/c		8	5	14	4.80	0.00	4.80	69.12	0.39	27.27
		1									
	Main bars 8# @130 c/c at top		8	51	51	0.95	0.00	0.95	48.45	0.39	19.12
	Distribution bars 8# @250 c/c		8	5	5	6.50	0.00	6.50	31.20	0.39	12.31
		1									
	Main bars 8# @130 c/c at top		8	38	38	0.95	0.00	0.95	36.03	0.39	14.22
	Distribution bars 8# @250 c/c		8	5	5	4.80	0.00	4.80	23.04	0.39	9.09
		1									
	Main bars 8# @130 c/c at top		8	14	14	0.95	0.00	0.95	13.37	0.39	5.28
	Distribution bars 8# @250 c/c		8	5	5	1.70	0.00	1.70	8.16	0.39	3.22
		1									
	Main bars 8# @130 c/c at top		8	40	40	0.95	0.00	0.95	38.22	0.39	15.08
	Distribution bars 8# @250 c/c		8	5	5	5.10	0.00	5.10	24.48	0.39	9.66

Verified

RUDRAPRASAD CONSULTANTS BANGALORE

A.E.E

ASSISTANT ENGINEER

Asst. Executive Engineer
Yelahanka Sub Division
(BBMP Ynk. Zn)
Yelahanka, Bangalore

ASSISTANT EXECUTIVE ENGINEER

ect e	CONSTRUCTION OF BUILDINGS AND OTHER CIVIL WORKS AND PLAYGROUNDS IN WARD NO - 01,03 & 04 UNDER BUILDINGS/ PLAYGROUNDS / HOSPITALS HEAD IN CHIEF MINISTER NAVA NAGAROTHAN GRANTS OF YELAHANKA DIVISION (PACKAGE- 11)
lient	M/s SMLP Asphalts, prop. Sir B.B.Umesh, No: 1265 Next to Andhara Bank, Major Sandeep Unnikrishnan Road, Yelahanka New Town Bangalore-560064
iption	Steel calculation sheet

PREMEASUREMENT SHEET

THIRD AND PART BILL

ainage m To	Description	Nos	BAR DIA	No. Bars	Total No. bars	L	Crank length (42d)	Actual Length	Total Length	Weight	Total weight
			mm			m	m	m	m	kg/m	Kg's
	Main bars 8# @130 c/c at top	1	8	18	18	0.95	0.00	0.95	17.03	0.39	6.72
	Distribution bars 8# @250 c/c	1	8	5	5	2.20	0.00	2.20	10.56	0.39	4.17
	Main bars 8# @130 c/c at top	1	8	16	16	0.95	0.00	0.95	14.83	0.39	5.85
	Distribution bars 8# @250 c/c	1	8	5	5	1.90	0.00	1.90	9.12	0.39	3.60
									Sub Total		202.01
									Total Steel Quantity in Kg		28508.59
									Total Steel Quantity in tonne		28.51

Verified
A.E.E 16/2

RUDRAPRASAD CONSULTANTS BANGALORE

CONTRACTOR PMC ASSISTANT ENGINEER

Asst. Executive Engineer
Yelahanka Sub Division
(BBMP Yelahanka Zone)
Yelahanka, Bangalore
ASSISTANT EXECUTIVE ENGINEER

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK : CONSTRUCTION OF BUILDINGS AND OTHER CIVIL WORKS AND PLAYGROUNDS IN WARD NO - 01,03 & 04 UNDER BUILDINGS/ PLAYGROUNDS / HOSPITALS HEAD IN CHIEF MINISTER NAVA NAGAROTHAN GRANTS OF YELAHANKA DIVISION (PACKAGE- 11)

PREMEASUREMENT SHEET

Third & Part Bill

Client	M/s SMLP Asphalts, prop. Sir B.B.Umesh, No: 1265 Next to Andhara Bank, Major Sandeep Unnikrishnan Road, Yelahanka New Town Bangalore-560064

Chainage in m From	To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
E1		Providing and removing centering, shuttering, strutting, propping etc., for chajjas, corbels etc. , including edges including cost of all materials, labour complete as per specificaiton. All terms and conditions are as per Tender Document(Ground Floor)							
Measurements taken on		28/11/20							
		Present Bill Measuement							
		Bangla School							
		Chajja							
		Bottom	Sqm	1	4.9	0.45		2.21	
		Front	Sqm	1	4.9		0.1	0.49	
		Side	Sqm	2	0.45		0.1	0.09	
		Bottom	Sqm	3	4.8	0.45		6.48	
		Front	Sqm	3	4.8		0.1	1.44	
		Side	Sqm	6	0.45		0.1	0.27	
		Bottom	Sqm	1	6.5	0.45		2.93	
		Front	Sqm	1	6.5		0.1	0.65	
		Side	Sqm	2	0.45		0.1	0.09	
		Bottom	Sqm	1	4.8	0.45		2.16	
		Front	Sqm	1	4.8		0.1	0.48	
		Side	Sqm	2	0.45		0.1	0.09	
		Bottom	Sqm	1	1.7	0.45		0.77	
		Front	Sqm	1	1.7		0.1	0.17	
		Side	Sqm	2	0.45		0.1	0.09	
		Bottom	Sqm	1	5.1	0.45		2.30	
		Front	Sqm	1	5.1		0.1	0.51	
		Side	Sqm	2	0.45		0.1	0.09	
		Bottom	Sqm	1	2.2	0.45		0.99	
		Front	Sqm	1	2.2		0.1	0.22	
		Side	Sqm	2	0.45		0.1	0.09	
		Bottom	Sqm	1	1.9	0.45		0.86	
		Front	Sqm	1	1.9		0.1	0.19	
		Side	Sqm	2	0.45		0.1	0.09	
							Total Executed Quantity	23.73	
							Qty Carried to Summary	23.73	

Verified

A.E.E 6/2

RUDRAPRASAD CONSULTANTS BANGALORE

ASSISTANT ENGINEER

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP) Ph: 70

ASSISTANT EXECUTIVE ENGINEER
Yelahanka, Bangalore

INSPECTOR PMC